

User's manual

BLATA MOTARD 125 BXM

BLATA ENDURO 125 BXE





# IMPORTANT INFORMATION

This motorcycle has been designed for one rider and one passenger.

The motorcycle has been designed for operation on the road and light terrain. It is not suitable for any racing purposes, i.e. motocross track riding.

Read through this User's Manual carefully. Special attention shall be paid to safety instructions highlighted with special labels. The meaning of latter is included in the section themed "Some Facts About Safety".

This Manual shall be considered a permanent part of the motorcycle and it should be kept with the vehicle in case of any sale, and that be even in case of second hand vehicle.

**All the data and information contained herein have been based on the most recent product information obtained prior to the manufacturing end procedure. BLATA, s.r.o. reserves the right to modify this Manual anytime without any prior notification or undertaking any obligations whatsoever.**

**The Blata, s.r.o. company shall not be held responsible for any damages or injuries caused by failure to follow the instructions contained herein.**

**It is strictly prohibited to reproduce any part of this Manual, unless granted by prior permission in writing.**

# WELCOME

Dear customer, we are delighted that you have decided to purchase the BLATA Enduro 125 / Motard 125 motorcycle.

This Manual will introduce you to the controls of this vehicle. Please read the Manual carefully, **BEFORE YOU START YOUR MOTORCYCLE FOR THE FIRST TIME**. The Manual contains vital caution details and instructions for vehicle control.

We would like to ask you to understand the importance of “Motorcycle Check before Operation” and the “Regular Maintenance”. These activities have a significant impact of the vehicle safety and failure to follow the instructions increase the risk of accident. However, if these instructions are followed, you will be rewarded with safety and trouble-free motorcycle operation.

We also appeal to you to have any service works and complicated maintenance works done by an authorised BLATA motorcycle service centre.

This Manual will offer you sections highlighted as **NOTE**. This information will advise you on correct procedures to prevent any damage to the motorcycle, property or the environment.

We wish you a pleasant reading.

## SOME FACTS ABOUT SAFETY

We are concerned with the safety of yourselves as well as others around you.

The information highlighted in this Manual will warn you about potential risks encountered by yourselves or others around you.

It is neither possible nor practical to warn you before all the risks associated with operation and maintenance of your motorcycle. Therefore you need to use your common sense.

For important safety information observe the safety remarks labelled with.

Refer below to the definition of these remarks:

 **DANGER:** Failure to follow these instructions may result in DEATH or SERIOUS INJURIES

 **WARNING:** Failure to follow these instructions may result in DEATH or SERIOUS INJURIES

 **CAUTION:** Failure to follow these instructions may result in PERSONAL INJURIES

This Manual contains important safety information.  
**Please read the Manual carefully!**

# CONTENTS

<b>SOME FACTS ABOUT SAFETY</b>	<b>3</b>
--------------------------------	----------

<b>MOTORCYCLE USE SAFETY</b>	<b>6 - 10</b>
------------------------------	---------------

<b>GENERAL DATA AND OPERATION</b>	<b>11 - 19</b>
-----------------------------------	----------------

Motorcycle	11 - 12
------------	---------

Handlebars and controls	13
-------------------------	----

Dashboard	14
-----------	----

Dashboard unit functions	15
--------------------------	----

Dashboard settings	16
--------------------	----

Controls	17 - 18
----------	---------

Seat	19
------	----

<b>CHECK BEFORE OPERATION</b>	<b>20 - 33</b>
-------------------------------	----------------

Before your first start	20
-------------------------	----

Engine oil	21 - 22
------------	---------

Fuel	22 - 23
------	---------

Clutch lever	24
--------------	----

Throttle grip	25 - 26
---------------	---------

Brakes	27 - 28
--------	---------

Wheels	29 - 30
--------	---------

Drive chain	31
-------------	----

Accessories and load	32
----------------------	----

Lighting and controls	33
-----------------------	----

<b>MOTORCYCLE OPERATION</b>	<b>34 - 41</b>
-----------------------------	----------------

First ride	34 - 35
------------	---------

Side stand	36
------------	----

Starting	37
----------	----

Ride and gear control	38 - 39
-----------------------	---------

Braking	40
---------	----

Riding with passenger / load	41
------------------------------	----

# CONTENTS

<b>MAINTENANCE INSTRUCTIONS</b>	<b>42 - 70</b>
Cleaning and conservation	42 - 43
Temporarily out of operation	44
Tools	45
Maintenance instructions	46
Maintenance safety	47
Maintenance plan	48 - 49
Fuel system	50
Throttle grip	51
Air cleaner	52 - 53
Crankcase ventilation	53
Spark plug	54
Engine oil	55
Oil cleaner insert	56
Idle run	57
Drive chain	58 - 59
Braking system	59
Headlight	60
Side stand	61
Suspension	62 - 63
Steering head bearings	64
Bulb replacement	65 - 67
Fuse replacement	68
Battery	69 - 70

<b>MOTORCYCLE TECHNICAL DATA</b>	<b>71</b>
----------------------------------	-----------

<b>FINAL SUMMARY</b>	<b>72</b>
----------------------	-----------


# MOTORCYCLE USE SAFETY

Please mind your safety and keep your motorcycle in sound condition. You will be able to enjoy the motorcycle and its riding properties.

It is necessary that you wear suitable protection when riding. This Manual can provide you with many useful hints to help you avoid potential risks.

## **Always wear safety helmet and suitable clothes:**

Various researches and cases have proven that helmets ensure significant reduction of the possibility of severe head injuries. Therefore we are warning you to use a certified motorcycle helmet at any time. We also recommend the use of other protective means as eye guard, protective motorcycle boots, gloves, suitable clothes and other safety guards for riders. You shall always wear long trousers and a jacket or special motorcycle clothing. Please advise any of your passengers about the same.



### **WARNING**

Failure to use a protective motorcycle helmet increases the risk of severe head injury or death in case of accident.



### **WARNING**

Both you and your passenger shall always wear a protective helmet, eye protection and other protective means.

# MOTORCYCLE USE SAFETY

## **Be visible:**

Some drivers tend to overlook riders, as these are hard to spot. You can make yourselves better visible by wearing contrast clothes with reflexive means and ride in such manner that other drivers can see you in reasonable time.

When turning and changing your travel direction, use turn signal lights. If you need to alert others, use the horn.

## **Do not overestimate your skills:**

Exceeding limits is the main reason for motorcycle accidents. Do not ever ride beyond your skill, the maximum performance ability of your motorcycle, or excess speed in particular conditions. Do not force your motorcycle into a terrain. Be familiar with vehicle controls and operation methods before riding. If you are unsure about the controls or riding the motorcycle, ask your Blata dealer for advice.

The above instructions will help you avoid any unnecessary accidents or injuries.

## **Do not drink alcohol before ride:**

Remember that alcohol, drugs, fatigue, stress and loss of concentration have serious impact on your decision making ability, response and the ability of safe driving. Never drink alcohol before or during the ride.

## **Keep your motorcycle in safe condition:**

To ensure a safe ride, your motorcycle shall be checked before every ride and subject to regular maintenance as prescribed. Any alternative spare parts or unsuitable modifications and poor maintenance may have significant impact on your safety. Use only genuine Blata parts.

If your motorcycle has fallen or been through an accident, ask your Blata dealer to check the main vehicle, even though you might be able to perform some repairs on your own.

# MOTORCYCLE USE SAFETY

## Maximum permissible load:

Your motorcycle has been designed to carry one rider and one passenger. When riding with a passenger, you may feel the difference when accelerating or braking. However, if your tyres and brakes are kept in sound condition, you can benefit from the full permissible load of the vehicle as prescribed.

Every excess of the maximum permissible load or travelling with the vehicle unbalanced may have serious impact on the vehicle controllability, braking or stability. Therefore you shall never exceed the maximum permissible load of the motorcycle.

The load on your motorcycle determines your safety. Any time you travel with a passenger or load, you should beware of the following.



### WARNING

Any overload or unsuitable loads may result in an accident with personal injuries or even death.



### WARNING

Obey all the maximum permissible load values as listed in this Manual.

The maximum permissible load limits for your motorcycle are as follows:

**Motard: 162 kg (357 lbs)**

**Enduro: 158 kg (348 lbs)**

(the value above includes the rider, the passenger, the entire load and all accessories)

Checks to be performed when travelling with a passenger or load:

- correct inflation of tyres
- fixing of any items being carried
- location of heavier items towards the motorcycle centre
- distribution of load on both sides to balance the motorcycle

# MOTORCYCLE USE SAFETY

## Accessories and modifications:

Any accessories or modifications for your motorcycle not certified by the Blata company may jeopardize safe operation of your motorcycle. Please read the following information, before you decide for any modifications or mounting of accessories.



### **WARNING**

The use of any unsuitable modifications or accessories may result in accident leading to serious personal injury or death.



### **WARNING**

Please read this Manual carefully to remember information related to modifications and accessories.

## Accessories:

We strongly recommend the exclusive use of original Blata accessories only, certified and tested for this motorcycle model. As the Blata company is unable to test all the other accessories, these shall be selected, installed and used at your own risk. Consult your Blata dealer and read the following information:

- beware to prevent any accessories limit the vehicle clearance, the angle of inclination, movement of axles or steering, your position or their interference with control features
- beware that the electric equipment may not exceed the capacity of vehicle electric system
- the motorcycle may not be coupled with any trailers or sidecars; the design does not allow for such attachments
- should you be unsure about proper installation of accessories, contact your BLATA motorcycle dealer

# MOTORCYCLE USE SAFETY

## **Modification:**

We strongly discourage you from removal of any original equipment or performance of modifications of any kind. Such changes and modifications may impair the controllability, stability, braking and the overall safety of your motorcycle.

Any removals or modifications of lighting, the exhaust, the emission control system or any other systems may render your motorcycle inoperable or unfit for safe use.

## **Maintenance and service:**

Any actions in an unauthorised service centre, imperfect maintenance operations and negligence to the necessary check up before use may result in serious accidents, injuries or even death.

Any service operations and complex maintenance operations shall be dedicated to an authorised BLATA service centre equipped with special tools and professionally trained personnel.

# MOTORCYCLE



1. Handlebars and control features
2. Ignition switch box
3. Fuel tank cap
4. Engine identification number
5. Gear lever
6. Rider's footsteps
7. Medical kit and manual storage compartment
8. Tools
9. Passenger's handlebars
10. Passenger's footsteps
11. Side stand

# MOTORCYCLE



12



17



19

- 12. Rear brake fluid tank
- 13. Seat lock
- 14. Rear brake pedal
- 15. Oil level check loop (sight oil gauge)
- 16. Oil refill cap
- 17. Front brake fluid reservoir
- 18. Fuses
- 19. Vehicle identification number (VIN)

# HANDLEBARS AND CONTROL FEATURES



- 20. Ignition switch box
- 21. Dashboard
- 22. Lighting controls
- 23. Starter and ignition controls
- 24. Clutch lever
- 25. Front brake lever
- 26. Throttle grip
- 27. Rear view mirrors

## DASHBOARD



- 28. Left turn signal indicator light
- 29. Right turn signal indicator light
- 30. Warning indicator for fuel reserve
- 31. High beam control indicator
- 32. Neutral indicator
- 33. Graphic revolution indicator
- 34. Optional function (selected with the 36 button)
- 35. Speedometer
- 36. Right button - MODE
- 37. Left button – SET / RESET

When the ignition is off, the display will show clock only.  
Once the ignition has been switched on, the system will allow access to further optional functions.

# DASHBOARD FUNCTIONS

The right button (36) can be used to switch between functions of the dashboard.

- TT - displays the total operation time
- the value always is never reset
  - can not be displayed when riding



- RT - displays one ride duration
- can not be displayed when riding



TRIP 1 - displays distance covered within one ride



TRIP 2 - displays distance covered within one ride



- ODO - displays the total mileage (odometer)
- the value always is never reset



Clock - displays time



RPM - displays the current engine revolutions in digits



AVG - displays the average speed



- MAX RPM - displays the maximum speed and maximum engine revolutions reached
- can not be displayed when riding



The values of RT, TRIP 1, TRIP 2, AVG and MAX RPM can be reset by pressing and holding the left button (37) down for about 2 seconds.

# DASHBOARD SETTINGS


With the ignition switched on (see the following page) hold both buttons (36 and 37) on the dashboard depressed. The left button (37) serves for setting the value and the right one (36) is used for position shift.

## I. Time settings

- setting the time format:  
using the left button (37),  
select between the 12h or 24 h formats;  
using the right button (36), shift to the next position;
- time setting:  
the button (37) sets the clock;  
shift using the button (36);  
use the button (37) to set minutes



24H  
12:40:50



12H  
02:40:50



24H  
XX:00:00



24H  
00:XX:00

## II. Setting the revolutions indicator

- this option is used for setting the threshold revolutions for gear shift with flashing indicator;
- regular value of 11.000 rpm



r 11000

## III. Technical constant for revolutions

- Set the SPC value - 1.0



SPC - 1.0

## IV. Technical constant for revolutions counter

- c1890 value for motard
- c2242 value for enduro



c1890

## V. Setting the speed unit

- the button (37) can be used to switch between KM/H or MPH (with simultaneous change to the mileage units)



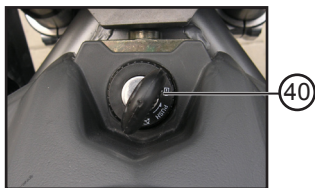
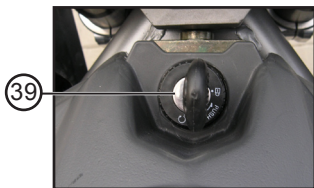
KM/H



MPH

To complete the settings of dashboard switch the ignition off. This will also save the settings made.

# CONTROLS



39. Ignition switched OFF

40. Ignition switched ON

This action also activates all the electrical circuits including the position lights and registration plate lights.

NOTE: Do not leave the ignition on unnecessarily as that may result in battery discharge

41. Handlebars lock

- turn the handlebars to the limit position,
- push the key inside switch box and release
- turn it to the lock position.

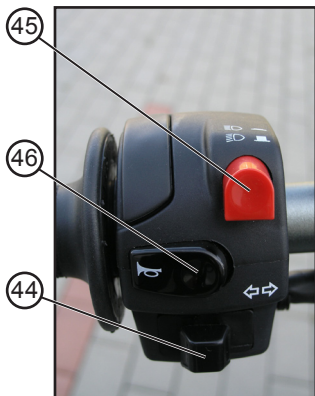
The seat lock and the fuel tank cap are controlled using the same key as the ignition switch box.

42. Engine stop button

The engine shall conk when the button is held down (approx. 1 sec)

43. Engine start-up button

# CONTROLS



- 44. Turn signal lights switch  
Shift to the left: left turn signal  
Shift to the right: right turn signal  
Press down in the centre position: switching off
- 45. High / low beam switch
- 46. Horn button
- 47. Headlamp flasher

# SEAT



A

B



Turn the seat lock to the right, follow the diagram.  
Lift the seat (approx. 10 cm; 3,9 in) and shift it rearwards.

The seat covers the compartment with the supplied tool kit (A) and stowage space for the medical kit and Manual (B).

Install the seat following the above procedure in reversed order.  
Press the rear of seat in that the lock latch engages.

Check the seat for tight fit at its place.

## NOTE:

Never leave your keys inside the compartment under the seat.

## BEFORE YOUR FIRST START

Every ride shall be preceded by safety check following the procedure outlined below. If you encounter any problem, please contact your Blata dealer or any Blata service centre.

You can conduct some regular maintenance operations yourselves (see the Maintenance Instructions), or have those performed by experienced Blata mechanics. That will ensure your motorcycle has been established in sound an operable condition. That is the basic prerequisite for safe operation of your motorcycle.

Checks to be performed before every ride:

- Engine oil level
- Fuel volume
- Clutch lever play
- Throttle grip
- Brake function
- Brake fluid level in both reservoirs
- Drive chain
- Wheel rims and spokes
- Condition of tyres, tyre pressure and tread depth
- Lighting and controls
- Accessories and load

In case of any ambiguities or problems contact your Blata dealer.



### CAUTION

Any check-ups before ride shall be performed with the ignition switched off (unless stated otherwise by instructions).



### WARNING

Please conduct all the check-ups before every ride and ensure removal of any problems identified.

## ENGINE OIL

The engine oil level shall be checked before every ride.

Set the motorcycle in vertical position (not onto the side stand) on a an even and straight surface. Check the oil level in the oil level gauge (15) for proper position between the minimum and maximum limits.



### NOTE:

Never exceed the maximum engine oil level as that might result in serious engine damage!

Keep the engine oil level above the minimum at all times to prevent serious engine damage!

If the engine oil level is low, use the spark plug wrench to loosen the oil cap (16) and add recommended engine oil. Add such amount of engine oil to set the level shown in the gauge in between the maximum and minimum limits.



Re-install the oil cap (16).

**Recommended engine oil: Valvoline SAE 20W-50, API SG, JASO MA, semi-synthetic**

# FUEL

Check the fuel volume before every ride, top up if required.

## NOTE:

Never use lead-based fuels, which will damage the catalytic converter.

Never use up the entire volume of fuel in the tank. Such action may result in damages to the engine or catalytic converter.

Set the motorcycle on its side stand on an even and straight surface and switch the ignition off.

Use the key to open the fuel tank cap (3).

Top up with fuel. Use unleaded petrol with the minimum octane rating of 95 (RON).

Close the fuel tank cap using your key once again.

### **WARNING**

Petrol is hazardous and highly flammable in both liquid and fume state! When fuelling the vehicle, do not approach the tank with open fire.

### **WARNING**

When topping up the fuel always stop the engine and switch the ignition off.

## NOTE:

Fuel shall be always filled in within open and well ventilated areas only.

### **WARNING**

The volume of petrol will swell if warmed up. Never fill the fuel to the very full.

### **WARNING**

Any petrol spillage shall be wiped off immediately.

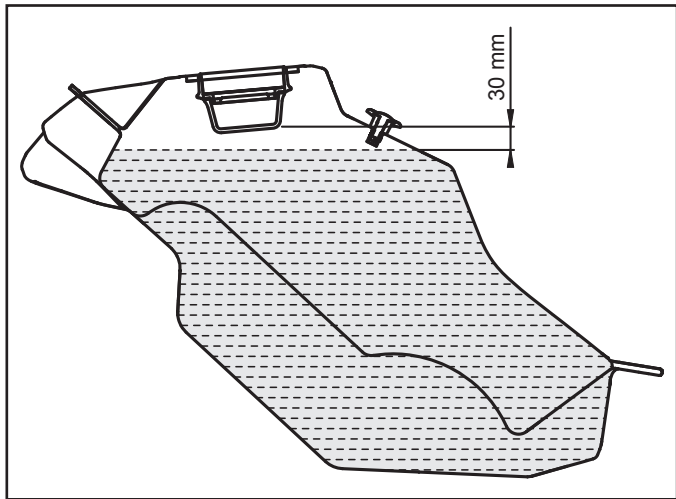
# FUEL

If the yellow fuel reserve indicator lights up, the remaining volume of fuel in the tank will be equal to 0,6 litres.

**Tank capacity: 9 litres (9,5 US qt, 7,9 Imp qt)**

**Fuel: unleaded petrol with the minimum octane rating of 95 (RON)**

Recommended maximum fuel level in tank.



# CLUTCH LEVER

Check the clutch lever play before every ride.

## NOTE:

Operation of a motorcycle with unsuitable clutch lever play may result in fast wear or damage of the clutch mechanism.

Slide the duster of clutch lever out. Keep pressing the clutch lever slightly, until you feel its resistance. Measure the clutch lever play.

## Clutch lever play: 2 mm



If the play of clutch lever does not fit within the proper interval, adjust it.

Loosen the locking nut. Turn the adjusting screw in order to set the required play.

Tighten the locking nut and re-check the play of clutch lever. Re-install the clutch lever dusters.



## NOTE:

If you get beyond the working line of the adjusting screw, the clutch must be adjusted or repaired by Blata authorised service centre only.

## THROTTLE GRIP

Check the throttle grip for proper functioning before every ride.

Check, whether the throttle grip revolves freely and returns into the default position smoothly.

If the grip sticks or fails to return, slide the adjusting screw duster off and lubricate both ends of the throttle cable with silicone oil and move the throttle slowly several times.



If this procedure renders no success, do not ride the vehicle and ask you Blata dealer for advice.

Re-install the duster on adjusting screw.

Check the play of the throttle grip.



**Throttle grip play: 2 - 3 mm**

## THROTTLE GRIP

If the play is too loose, adjust it. Slide the duster off the accelerator cable adjusting screw. Turn the adjusting screw to set the play of throttle grip.

Tighten the locking nut and re-check the play of throttle grip.



Re-install the duster onto adjusting screw.



### NOTE:

If you get beyond the range of adjusting screw, you shall modify the settings on the other end of cable (page 51).

# BRAKES

Check both the front and rear brakes for proper functioning before every ride, further checks involve the brake fluid level in reservoirs for both the front and rear brakes and thickness of brake shoe lining on both wheels.

Check the front and rear brakes for proper functioning. If you identify a sudden change in play, flexible resistance or fading of the brake lever or pedal, cancel your ride and ask your Blata dealer for advice.



## WARNING

If case of any doubts about the service sensitivity of the braking system do not use the motorcycle and ask your Blata dealer for advice.

Set the motorcycle in vertical position, with the handlebars ready as for ride forward and check the level of brake fluid in both the front and rear reservoirs.

In case the level in either of the reservoirs is at or below the minimum, have the brake fluid check by your Blata service centre.



# BRAKES

## NOTE:

The brake fluid level drops due to the brake shoe lining wear. The brake fluid shall be changed at least once in two years.

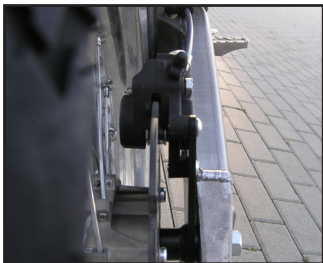
Check the brake shoe lining thickness. It shall never be less than the defined limit.

Thickness of brake pad lining shall be checked visually from the top front side, for the front brake and from the rear, for the rear brake.



## Minimum thickness of brake pad lining: 2 mm (0.08 in)

In case the thickness of brake shoe lining does not meet this limit, have it replaced by an authorised Blata service centre.



## WARNING

For your own safety, have any works on the braking system conducted by an authorised Blata service.

Check the whole braking system for its sound condition and possible signs of damage or leakage. In case of any defects found seek assistance of your Blata dealer.

## WHEELS

Check the condition of rims, spokes and spoke tension before every ride.

Check the rims and spokes for possible damage or bends. Use a screwdriver to run over spokes slightly. In case of spoke making different sound to others, have these adjusted immediately.



### WARNING

Any damaged rims or spokes shall be replaced immediately and loose spokes adjusted definitely.

Check the tyre pressure, tread depth and tyre condition before every ride.

Unscrew the tyre valve cap and use gauge to measure the tyre pressure. Re-install tyre valve cap after measurement.

### NOTE:

Tyre pressure measurements shall be conducted on cold tyres only. Improper tyre pressure affects the ride properties, fuel consumption, environment and tyre life.

Adjust the tyre pressure depending on the motorcycle load.

# WHEELS

## Tyre pressure:

<b>Motard</b>	rider only	rider and passenger
front	190 kPa	210 kPa
rear	210 kPa	230 kPa

<b>Enduro</b>	rider only	rider and passenger
front	180 kPa	190 kPa
rear	190 kPa	200 kPa

Tread depth shall be measured at the tyre centre. Check whether the tread depth complies with local laws and regulations.



## Recommended tread depth:

<b>Motard</b>	front	2 mm (0.08 in)
	rear	3 mm (0.12 in)

<b>Enduro</b>	front	3 mm (0.12 in)
	rear	3 mm (0.12 in)

## DRIVE CHAIN

Check the condition and tension of drive chain before every ride.

### NOTE:

The chain must be cleaned and lubricated after every 1.000 km (800 miles) using a special cleaning agent and special oil designed for motorcycle drive chains. If the chain dries up within such interval, it must be cleaned and lubricated more frequently. In case the motorcycle is operated off road or dusty or muddy environment, the lubrication procedure shall be conducted after every such ride. Chain checks must be always done with the motorcycle free of any load.

Set the motorcycle onto side stand, switch the ignition off and shift the transmission to idle. Press the chain upward and measure its slack.

**Chain slack: 25 - 35 mm (1 - 1.4 in)**

Adjust the chain slack, if needed (see the Maintenance chapter) or ask your Blata dealer for assistance.

Pull the chain at the rearmost part of the driven sprocket. When the chain passes through, none of the rear sprocket teeth may remain out of grip. If that is not so, the chain set shall be replaced (rear and front sprockets and chain) by an authorised Blata service centre.



## ACCESSORIES AND LOAD

### NOTE:

For your own safety, use only the accessories certified or recommended by the Blata company.

Check the condition and fixing of the load or accessories before every ride.

Keep the load distributed evenly.

Heavy loads should be placed as low as possible.

Check, whether the load does not interfere with moving parts or control features of your motorcycle.

Never exceed the maximum permissible load on motorcycle.

**Motard: 162kg,**

**Enduro: 158 kg,**

(including the rider, passenger, whole load and accessories)

Adjust the tyre pressure accordingly (page 30).

## LIGHTING AND CONTROLS

Check all the lighting and control featured before every ride.  
Turn the key inside the switch box (2) to switch the ignition on.  
Shift the transmission to idle.

Light up features:

- front and rear position lights
- registration plate light
- blue display backlight
- idle green control indicator (N = neutral)

Check the function of:

- turn signal lights and green turn signal indicators
- horn
- high beam and the blue control indicator of high beam
- light flasher
- braking light (when the front and rear brakes are used)

start the engine:

- once the engine has been started up, low beam will be turned on

Use the ignition stop button to stop the engine.

NOTE:

In case any of the blinkers fails to flash and remains lit up continuously, it indicates defect to be repaired.

In case of failure of any of the lighting or control features on your bike ask your Blata dealer for assistance.

NOTE:

Adjustment of headlights shall always comply with local laws and regulations (str. 60). Ask you Blata dealer for advice.

Sit on the motorcycle and check, adjust if required, the sight in rear mirrors.

# FIRST RIDE

Before you set off to your first ride, read the following important advice and cautions.

Before you start the engine, make sure you have completed all the above pre-ride check-ups.

Remember that the engine needs running in. For the first thousand kilometres, follow the instructions regarding the maximum speed as outlined below:

1<sup>st</sup> gear - max. 30 km/h

2<sup>nd</sup> gear - max. 40 km/h

3<sup>rd</sup> gear - max. 55 km/h

4<sup>th</sup> gear - max. 70 km/h

5<sup>th</sup> gear - max. 80 km/h

6<sup>th</sup> gear - max. 90 km/h

Do not forget the first service inspection after 1.000 km.

Remember that tyres also need some kilometres to be run-in and provide sufficient adhesion.

New brake shoe linings must be also subject to certain running-in, remember that the first 200 kilometres can always be associated with lower braking power.

The exhaust system and its proximity produce a lot of heat. There is a risk of burns or ignition of easily combustible materials (clothes, luggage, paper, grass).



## **WARNING**

Never touch the hot exhaust pipe and prevent it from any contact with combustible materials.

# FIRST RIDE

The exhaust gases contain highly poisonous carbon oxide. This gas is colourless and odourless and it may cause consciousness loss or even death when inhaled. Never let the engine run within a closed area.



## **WARNING**

Never leave the engine running inside a closed area.

Never touch any part of the ignition system, when the engine is running or with the ignition on. There is a risk of health or life hazard.



## **WARNING**

Never touch any part of the ignition system when the engine is running or the ignition is switched on.

To prevent damage to the catalytic converter:

- never use up all the petrol in your tank
- never push the motorcycle
- never ride at your engine threshold revolutions
- keep the maintenance intervals
- in case the engine starts misfiring, stop it immediately

The first ride should be intended to become familiar with the motorcycle during acceleration, braking and cornering.

Your rational approach and mastering the motorcycle are the basic prerequisites for safe rides. When riding on or off the road, respect other drivers and road users.

**Follow the instructions on safe motorcycle use!**

## SIDE STAND

### NOTE:

For the sake of your own safety, never sit on the motorcycle when parked on the side stand. Always keep the stand leaned onto a solid and straight surface.

If you need to park the motorcycle in a slope, set it facing the gradient and leave the 1<sup>st</sup> gear engaged.



### Setting the motorcycle on side stand

- Switch the ignition off.
- Use our left hand to grab into the left handlebar and your right hand to grip onto the seat.
- Deploy the side stand with your right foot.
- Tilt the motorcycle slowly to engage on the stand.
- Check the stability of motorcycle.

### Lifting the motorcycle from stand

- Use our left hand to grab into the left handlebar and your right hand to grip onto the seat.
- Set the motorcycle up straight slowly
- Use your right foot to press the side stand into its stowed position.
- Before riding away, check the completely locked position of side stand.

# STARTING

## NOTE:

When the side stand is deployed, the engine can be started, but you cannot drive away upon gear engagement. The engine will stop automatically. The engine can be started with neutral or clutch depressed only.

Turn the key in the switch box to switch the ignition on.

Shift the gear lever to neutral (the green neutral indicator will light up). Press the starter button with simultaneous slight pull of the throttle. The engine will start up. Leave the starter button immediately once the engine has started up.

Turn the throttle grip slightly and keep opening the throttle. Never rev the engine too high after start-up.



## NOTE:

Never hold the starter button depressed for longer than 5 seconds. If the engine does not start up within the above period, wait for a while (10 seconds) before re-trying. Always depress the clutch, when starting the engine under temperatures lower than 0°C. Never leave the engine in idle run for long time to prevent the risk of overheating. To avoid the risk of exposure to toxic exhaust gases, never start your motorcycle within closed areas.

# RIDE AND GEAR CONTROL

## Drive away:

Press the clutch lever.

Step on the gear lever to shift it downwards (to 1<sup>st</sup> gear).

Start returning the clutch lever with care and increasing the engine revolutions slightly.

Once the clutch has engaged, accelerate.



## Shifting to higher gears:

Decrease the throttle and depress the clutch lever. Move the gear lever upwards to shift to the subsequent higher gear. Return the clutch lever with care. Once the clutch has engaged, accelerate.

## Shifting to lower gears:

Let the throttle grip loose completely and depress the clutch lever. Move the gear lever downwards to shift to the subsequent lower gear. Engage the clutch with care. Once the clutch has engaged, accelerate.

## NOTE:

If the side stand is deployed, the engine will stop upon any drive away attempt. Never let the clutch slip when shifting gears. When gearing down, adjust the motorcycle speed first to prevent any rapid deceleration of the wheel resulting in skid.

## **RIDE AND GEAR CONTROL**

### **NOTE:**

Make sure you use the complete engine revolutions range once the engine has warmed up.

The speed limiter has been set to 11.000 rpm.

### **Fuel volume:**

If the yellow indicator lights, the remaining fuel volume equals to the reserve only (approximately 0,6 litres). Fill the tank as soon as possible.

# BRAKING

Check the brakes for proper functioning before every ride.

Regular braking shall be done using both brakes - the pedal and the lever - simultaneously. When riding on road, give preference to the brake lever, i.e. the front brake. On the contrary when riding off road, the pedal brake shall be used primarily.

To ensure maximum braking effect, cut the throttle and press onto both the pedal and lever thoroughly. Before coming to a complete standstill, depress the clutch lever in order to prevent the engine from stopping.

Caution! Very strong braking may result in wheels locking and subsequent skid.

If possible, decelerate and brake before entering into turns already. Braking or rapid deceleration when passing through a turn might result in skidding and falls.

When riding in wet or rainy conditions, or riding on a slippery surface, please adapt the motorcycle usage accordingly. Braking, rapid acceleration or sudden turning of the motorcycle might render the motorcycle uncontrollable.

If you need to keep braking, e.g. when riding down a long hill, use the motor brake combined with both mechanical brakes for better effect and shifting down to lower gears.

## NOTE:

After washing the motorcycle, after passing through wet environment, in rainy conditions or when riding on roads sprinkled with road salt, the brake effect might appear with a slight delay.

When riding off the road or using strongly soiled roads, the fouling on brakes might impair their immediate effect.

Brake discs and brake pads must be always free of any oil or grease residues.

## RIDE WITH A PASSENGER / LOAD

Remember that when carrying a passenger or load will affect the riding properties of your motorcycle. The difference will be evident when accelerating, braking and passing through turns.

When carrying a passenger or load, never forget to adjust the tyre pressure (page 30).

Never exceed the maximum permissible vehicle load.

### **WARNING**

Carrying excessive loads or unsuitable distribution of the load may result in accidents, personal injury or even death.

### **Passenger's handlebars:**



Before riding, instruct your passenger about the use of safety helmet and suitable clothes, footwear and other equipment.

Brief your passenger on proper behaviour during the ride.

## **CLEANING AND CONSERVATION**

Correct and regular cleaning and conservation treatment can help increase the life and safety of your motorcycle.

When using the motorcycle off the road, you are recommended to clean the vehicle and apply conservation agents after every ride.

### **NOTE:**

Use only cleaning agents designed for cleaning of motorcycles or passenger cars. Never use any aggressive or penetrative agents or solvents. Never use any steam jet or high pressure water jet apparatus (installed in regular car wash units). When cleaning the board unit and controls avoid the use of any solvents and cleaning agents. Any tar and bug residues shall be removed with suitable special agents only. Never use any polishing wax or abrasive and chemical-based polishing materials on plastic parts. Beware to avoid any water spillage into the exhaust system and electric installation.

# CLEANING AND CONSERVATION

## **Motorcycle cleaning:**

Set your motorcycle on side stand, supported with straight and solid surface. This surface must remain solid even when soaked up with water. Let the engine and exhaust system cool down properly before cleaning. Rinse the motorcycle thoroughly with cold water to remove the coarse dirt particles. Clean the wheels, the engine block, the swing arm, bodywork parts and the frame using a mild solution of special cleaning agent. Use a sponge or a piece of cloth. Rinse the motorcycle with cold water again and dry the wet surface carefully. Start the dry engine and let it run about 2 minutes.

## **NOTE:**

Once you have finished the washing, check brakes for proper functioning. Their effect might be impaired temporarily.

## **Chain conservation:**

Once the washing and drying has been finished, lubricate the drive chain with special agent immediately, see the Regular Maintenance for details (page 58).

## **Road salt:**

Some roads might be sprinkled with road salt based or sea salt material. After completion of rides on such surfaces, rinse the motorcycle with cold water immediately (lukewarm water would boost the salt effect) and treat the metal parts using a special wax-bases agent.

## TEMPORARILY OUT OF OPERATION

### Putting the motorcycle out of operation temporarily:

Clean the motorcycle and apply conservation agents (page 42). Remove the battery (page 69). The battery shall be stored out of low temperatures and direct sunlight. Charge the battery at least once a month. Inflate the tyres to prescribed pressure (page 30). Put a support below the low frame cover in order to lift the wheels from the ground and to keep the motorcycle stable. Lubricate the drive chain (page 58). Cover the motorcycle properly. The motorcycle shall be stored in environment with stable ambient temperature and low humidity. Never park the motorcycle in direct sunlight.

### NOTE:

Before you put the motorcycle out of operation, we recommend to change the oil and oil cleaner insert. Alternatively, you can also combine the activities required by putting the motorcycle out/into operation with regular service inspection by an authorised Blata service centre.



### Resuming the operation:

Clean the motorcycle (page 42). Lubricate the drive chain (page 58). Install the fully charged battery (page 71). Treat the battery terminals with special grease. Check the tyre pressure and adjust it, if necessary (page 30). Perform all the pre-ride activities as prescribed (page 20). Test the motorcycle by a careful ride off traffic.

## TOOLS

The compartment situated below the rear of motorcycle seat can be used for stowage of the tool kit provided.

This tool kit shall be used for basic adjustments and emergency repair of your motorcycle.

To ensure thorough and proper maintenance and service, use suitable workshop tools only.

The tool kit supplied comprises the following:

- 13 and 19 mm spanner
- 13 and 22 mm spanner
- 8 mm Allen key
- 6 mm Allen key
- 4 mm Allen key
- 3 mm Allen key
- 16 mm spark plug socket wrench



## MAINTENANCE INSTRUCTIONS

Regular maintenance and checks before ride are the essential prerequisites for safe and operable condition of your motorcycle. We recommend that the service and maintenance activities be performed by your Blata service centre equipped with the tools and experienced well-trained personnel as required.

Any regular maintenance conducted within the warranty period shall be performed by an authorised Blata service centre only and the completion shall be recorded in vehicle log book. Failure to follow these procedures will void the warranty.

When using the motorcycle mostly off the road, in dusty, muddy or wet environment, consult your Blata dealer for the option of more frequent service inspections and reduction of the regular maintenance intervals.

If you decide to perform the regular maintenance and general care of the vehicle independently, following the instructions in this chapter, make sure you possess the technical facilities, knowledge and skills necessary. Remember that any service or maintenance activities performed besides an authorised Blata service will render your warranty void!

Regular maintenance activities, which require special equipment or special training, have not been included in this Manual. These shall be performed by an authorised Blata service centre only.

Use original Blata spare parts supplied or recommended by the Blata company. You shall also use only lubricants or their equivalents as recommended by the Blata company. Any use of unsuitable parts or lubricants might damage your motorcycle.

Before any repairs or disassembly of engine components, remove any dirt, mud or junk from the vehicle.

When conducting motorcycle repairs, use metric tools only. Metric bolts, nuts and threads can never be mistaken for the inch ones (USA, GB).

When performing installation or assembly activities, always use new gasket, O-rings, cotter pins, self-locking nuts and lock washers only. Once you have completed the assembly, check all the parts for proper installation and operation.

## MAINTENANCE SAFETY

Any works on the motorcycle shall be conducted in compliance with instructions contained in this Manual and relevant safety warnings. The description of procedures contained in this chapter has been based on the assumption you possess the basic technical skills as well as the essential knowledge of workshop safety.

The Manual cannot cover all the risks related to the operation and maintenance of the motorcycle. You shall be governed by the common sense in many cases. First of all, you should never over-estimate your skills with respect to particular tasks.

Before you start with any work, stop the engine and set the motorcycle into stable servicing stand on straight surface.

Caution! The vehicle exhaust contains toxic carbon gases, which might cause loss of consciousness resulting in death. The engine shall be started within open areas only or closed premises provided with proper ventilation only.

Before conducting any work, let the engine cool down properly to prevent any burns or ignition caused by hot components.

Never start the engine, unless directed to do so by relevant instructions, to avoid the risk of injury by moving parts.

Never use the motorcycle with any of its parts dismantled.

If your motorcycle has fallen down or suffered an accident, ask your Blata dealer for inspection of the main motorcycle parts even though you are capable to perform some repairs independently.



### WARNING

Any failure to perform the maintenance or inspection of the vehicle properly might result in accidents with subsequent lethal injuries or even death.



### WARNING

Any failure to follow the instructions contained in this chapter and obey the safety warnings provided might result in serious personal injuries or even death.

**Always remember that your Blata dealer or authorised service centre possesses better knowledge of your vehicle as well as professional equipment and facilities for service or maintenance.**

# MAINTENANCE PLAN

Pre-ride checks shall be performed in every stage of the maintenance plan.

I: inspection, cleaning, adjustment, lubrication and replacement where necessary

C: cleaning. R: replacement. A: adjustment. L: lubrication.

The items below require mechanical knowledge. Certain items (especially those labelled with \* and \*\*) may require higher level of technical proficiency and tools. Those shall be consulted with your BLATA dealer.

- \* To be repaired by an authorised BLATA dealer, unless the vehicle owner possesses proper tools and service information and mechanical proficiency required.
- \*\* For the sake of personal safety, these activities shall be performed by an authorised BLATA dealer only.

## NOTES:

1. With higher mileage covered, these activities shall be repeated within regular intervals defined in this Manual.
2. When using the motorcycle in unusually wet or dusty environment, perform repairs more frequently.
3. When operating the motorcycle in rainy conditions or at full throttle for long periods, perform cleaning more frequently.
4. To be replaced in 2-year intervals. This replacement requires mechanical skills.
5. To be replaced every 3 years or after completion of 24.000 km (15.000 miles). This replacement requires mechanical skills.

# MAINTENANCE PLAN

Item	Frequency	What-ever the sooner alternative	Odometer reading (note 1)						p.
			x 1000 km	1	4	8	12	16	
			x 1000 mi	0,6	2,5	5	7,5	10	
			months		6	12	18	24	
*	Fuel system				I	I	I	I	
*	Throttle grip				I	I	I	I	
*	Air cleaner	Note 2			C	C	C	C	
	Crankcase ventilation	Note 3			C	C	C	C	
	Spark plug			I		R		R	
**	Valve clearance			I		I		I	
	Engine oil			R	R	R	R	R	
**	Oil cleaner liner			R	R	R	R	R	
*	Carburettor and idle run			I	I	I	I	I	
*	Second. air system	Note 5						I	
	Drive chain		after every 1.000 km (600 mil): I,L						
**	Brake fluid	Note 4			I	I	I	I	
	Brake pads				I	I	I	I	
	Brake system			I	I	I	I	I	
*	Brake light switch				I	I	I	I	
*	Headlight				I	I	I	I	
	Clutch system				I	I	I	I	
**	Clutch discs							I	
	Side stand				I	I	I	I	
*	Suspension				I	I	I	I	
	Wheels, tyres				I	I	I	I	
**	Steering head bearings			I				I	
*	Bolts, nuts, clips			I		I		I	

## FUEL SYSTEM

Remove the seat.

Unscrew the 3 bolts from the front left and right tank covers and remove these covers.



Unscrew the 3 fixing bolts on the fuel tank and lift the tank up slightly.

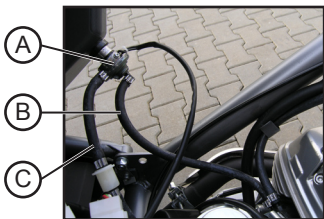


Check all the fuel, vacuum and pneumatic tubes for possible deterioration, damage or leaks.

(A) Automatic vacuum valve

(B) Vacuum tube

(C) Fuel tube



If you find any of the parts out of order or showing signs of leakage, have it replaced at an authorised Blata service.

Re-fit the fuel tank to its initial position and tighten it using the 3 bolts provided. Beware to conduct the installation without any damage or strangulation of pipes.

Fit the left and right fuel tank covers. When tightening the bolts, always obey the prescribed torque.

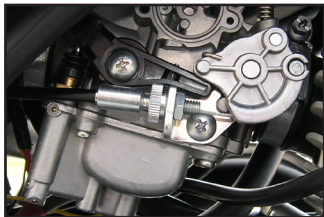
**Tightening torque: 1.5 Nm (1.11lbf.ft)**

## ACCELERATOR GRIP

Check the operation and play of the throttle grip (page 26).

Set the play of accelerator grip (page 26).

For coarse adjustment use the bottom part of cable at the carburettor. Loosen the locking nut and turn the adjusting nut to set the play of the throttle. Tighten the locking nut after adjustment completion.



Re-check the accelerator grip and perform its fine adjustment, if required (page 26).

## AIR CLEANER

The air cleaner shall be treated and cleaned in regular intervals. If you ride in wet or dusty environment very often, clean this component more frequently.

Remove the seat (page 19).

Loosen the 2 screws on under seat cover. Tilt the cover open and remove it.



Unscrew the 6 screws along the air cleaner housing perimeter and detach the case bottom.



Unscrew the cleaner fixing nut and remove the frame containing air cleaner.



## AIR CLEANER

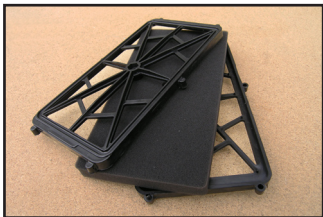
Loosen the nut and open the frame to remove the foam air filter.

Use the foam filter cleaner to wash the air cleaner thoroughly. Use compressor to blow onto the air cleaner and let it dry out. Do not twist or pull the filter when drying.

Apply the foam filter impregnating oil to treat the filter.

Any damaged air filter shall be replaced.

Follow the same procedure in reverse order to re-install the filter.



## CRANKCASE VENTILATION

The service shall be performed more frequently on motorcycles operated in wet environment or at full throttle.

Disconnect the oil trap from the bleeding pipe and the cylinder head cover.

Clean the oil trap using compressed air.

Never disassemble the oil trap.

Connect the oil trap to the cylinder head cover and to the engine bleeding hose.



## SPARK PLUG

Disconnect the spark plug cap. Clean the spark plug vicinity, e.g. use compressed air. Unscrew the spark plug using the socket wrench provided.

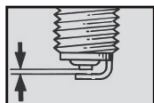
The spark plug shall be checked or replaced as indicated in the Maintenance Plan (page 49).

Check the following:

- Insulator damage
- Electrode wear
- Ignition contact color

(good condition if dark to light brown; very light colour indicates ignition system failures or poor fuel mixture; wet or black electrode indicates too rich fuel mixture or engine damage)

- Spark plug gap, adjust it, if required



**Spark plug gap:  $0,7 \pm 0,05$  mm**

In case of electrode wear, aggregated fouling or of service interval expiration replace the spark plug with a new one. (check the spark gap)

**Spark plug: BRISK AR14YS**

Screw the new spark plug in manually, then use the socket wrench to tighten it to the prescribed torque.

**Tightening torque: 10 - 12 N.m (7.4 - 8.9 lbf.ft)**

Connect the spark plug cap.

NOTE:

Any excessive tightening of the spark plug might result in engine damage.



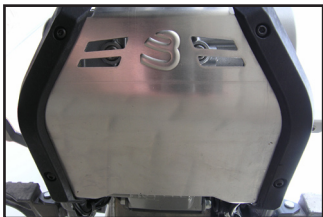
# ENGINE OIL

Check the level of engine oil (page 21).

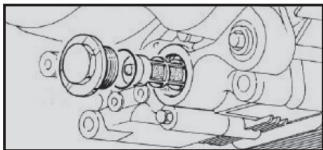
## Engine oil change:

The engine oil changes must be performed in accordance with the Maintenance Plan (page 49). Let the engine warm up and then wait for 2-3 minutes.

Unscrew the 4 bolts in the engine bottom cover and remove this cover.



Place the waste oil container below the crankcase. Unscrew the oil filling cap. Unscrew the oil drain screw and let all the oil drain out. Remove the strainer from the oil drain opening, clean it thoroughly and re-install it into its initial position in the crankcase.



Replace the oil filter (page 55).

Install new O-ring on oil drain screw and screw it in.

**Tightening torque: 20 - 23 N.m (14.8 - 18 lbf.ft)**

Use the oil filling opening to add some oil in order to keep its level approximately half way the gauge.

**Recommended engine oil: Valvoline SAE 20W-50, API SG**

**Oil capacity: approx. 0.9 l (1.0 USqt, 0.8 Imp qt)**

Insert the oil filling cap.

Check the oil level and the engine for possible leakages.

Install the frame and engine guard cover.

## OIL CLEANER INSERT

The oil cleaner replacement must be performed in accordance with the Maintenance Plan (page 49), the best way to perform is concurrently with engine oil change.

Drain the oil (page 55).

Unscrew the 3 bolts on the oil cleaner cover and remove it.  
Replace the oil filter.



Replace the engine block seal with a new one.

Fit the cleaner cover with a new O-ring and a install a new oil filter.

Install the cover with new oil filter into the crankcase and tighten it using the 3 bolts. Be-ware of proper position of the oil filter, when assembling the unit.



Bolts shall be tightened to the prescribed torque.

**Tightening torque: 10 - 12 N.m (7.4 - 9 lbf.ft)**

After filling the engine with recommended oil (page 21) check the block for possible leakage.

## IDLE RUN

Checks and adjustment of idle run shall be performed after every engine maintenance procedure and in accordance with the Maintenance Plan (page 49).

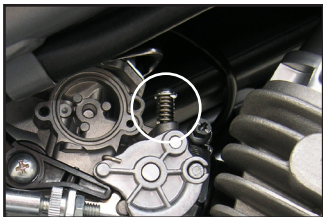
Once the idle run has been adjusted properly, the engine shall be warmed up to its service temperature (for approx. 10 minutes)

Check the engine idle run.

**Idle run:  $1.600 \pm 100 \text{ min}^{-1}$  (r.p.m.)**

In case the engine requires further adjustment, set the idle run using the throttle stop screw.

Open the choke valve 2 - 3 times and re-check the idle run revolutions.



### NOTE:

If you do not succeed in adjusting the idle run revolutions or if these are irregular, contact an authorised Blata service centre.

# DRIVE CHAIN

## Cleaning and lubrication:

The chain must be subject to cleaning and lubrication every at least 1.000 km (800 miles) using a special cleaning agent and special oil designed for motorcycle drive chains. If the chain dries up within the interval, perform the cleaning and lubrication more frequently.

If the motorcycle is operated off the road or in dusty and muddy environment, the chain shall be cleaned and lubricated after every such ride. Check the chain slack (page 31) and adjust it, if required.

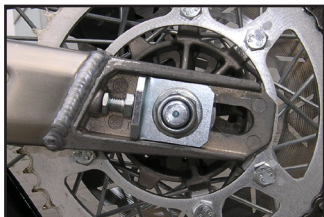
## Chain slack adjustment:

Loosen the rear axle nut.

Loosen locking nuts on both sides of the swing arm and turn both adjustment screws until you have achieved the correct drive chain slack.



Make sure you observe the markings on both sides of the swing arm to set the rear axle perpendicular to the swing arm.



Tighten the new self-locking nut on the rear axle to the prescribed torque.

## Tightening torque: 65 Nm ( 48 lbf.ft )

Tighten both locking nuts.

Check the drive chain for proper slack (page 31) and check the rear wheel for free rotation.

## **DRIVE CHAIN**

If the chain slack is too high, have the whole chain kit replaced (drive chain, front and rear sprockets) by an authorised Blata service centre. Check both sprockets and chain for possible damages or excessive wear. In case of any deficiencies observed have the whole chain kit replaced (drive chain, front and rear sprockets) by an authorised Blata service centre. Check all the bolts in sprockets for loose items. In case of any loose bolt seek an authorised Blata service immediately.

## **BRAKING SYSTEM**

For your own safety, we recommend have the braking system serviced and maintained by an authorised Blata service centre.

Check the brake fluid level before every ride and change the fluid at least once in two years.

If the brake fluid level is very low, or if the fluid has been used for a very long period, have the fluid topped up or even changed by an authorised Blata service centre.

Check the brake fluid level (page 27).

Check the thickness of brake shoe lining (page 28).

Check the braking system (page 59).

Depress the brake lever or pedal and check, whether the brake light turns on at the moment of brake engagement. If that is not the case, have this defect removed by an authorised Blata service centre.

# HEADLIGHT

## NOTE:

Both the high and low beam cast by the main headlight can be adjusted independently. The adjustment procedure is identical for either beam. Set the main headlight to comply with the valid local laws and regulations.

Set the motorcycle in vertical position on a flat surface.

Unscrew the 3 fixings bolt on the front headlight cover. Remove the cover and disconnect the position light terminal.



Loosen bolts on both sides of the headlight and set the light body into suitable position.

Tighten the bolts on both sides of headlight to ensure its correct position.  
Check the headlight for correct adjustment.



## HEADLIGHT

Fit the front headlight cover and secure it with 3 bolts provided. Insert droppers between the headlight bracket and cover on 2 bolts distance. Hook the brake fluid pipe into the bracket on the left hand side.



## SIDE STAND

Support the motorcycle set onto a flat surface.

Check the side stand springs for possible damage and loss of tension. Check the stand mechanism for its smooth operation and lubricate the stand pivot, if required.

Check the ignition disconnection system on the side stand: Sit on the motorcycle and lift the side stand.

Start the engine, with gearbox set to idle, then shift to any gear with the clutch depressed.

Tilt the side stand all the way down and try to ride away.

With the side stand fully deployed, the engine is supposed to stop.

If the engine does not stop, the system has encountered a problem, which requires repair by an authorised Blata service centre.



# SUSPENSION

We recommend you leave the assessment of suspension, shock absorbers and bearings to an authorised Blata service centre.

## Front suspension check:

Check the front fork operation. Press the front brake and push the front fork down several times.

Check the whole suspension mechanism for possible leakages, damages or loose fixation.



## Rear suspension check:

Support the motorcycle and lift its rear wheel above the ground.

Grab the swinging fork and force the rear wheel from side to side in order to check the rear wheel bearings for possible wear.

Check the swinging fork attachment for possible wear. Move the rear wheel from side to side and forth and back.



## SUSPENSION

### **Check the rear shock absorber operation:**

Press the motorcycle rear downwards several times as shown in the image.

Check the whole shock absorber assembly for possible signs of leakage, damage or loose fixation.



If your inspection reveals any defects, do not resume the motorcycle operation and seek an authorised Blata service.

## STEERING HEAD BEARINGS

Leave the assessment of the steering head bearings to an authorised Blata service centre.

Check, whether the control cables and electric installation do not impair the free operation of the steering handlebar. Support the motorcycle and lift the rear wheel above ground. Check the free movement of handlebars from side to side. The handlebars may not move with hindrance, irregularly or vertically.



Grab the bottom part of front fork and move it forward and backwards.

Check the steering stem for vertical movement.



If your inspection reveals any defects, do not resume the motorcycle operation and seek an authorised Blata service centre.

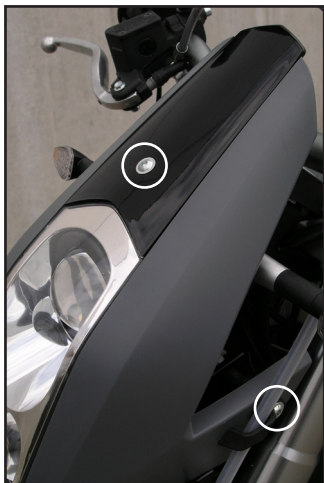
# BULB REPLACEMENT

## NOTE:

The ignition shall be switched off before bulb replacement. Never touch the globe glass with bare fingers. Use a dry and clean cloth to do so.

We recommend you keep spare bulbs with you at all times.

Remove the 3 bolts on front headlight cover, remove it and disconnect the position light terminal.



## Position light:

Remove the position light bulb out of the front headlight cover and shift it out of its base.

## Bulb: 12V 5W

Push the new bulb into its base and insert it into the headlight cover.



## BULB REPLACEMENT

### Low beam:

Remove the 2 screw on bottom light. Remove the light and disconnect its terminal.



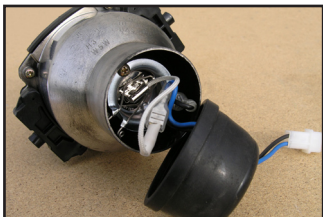
Remove the rubber liner from headlight.

Release the fixing spring holding the bulb and remove the bulb.

### Bulb: H3 12 55W

Lock the new bulb using the fixing spring and fit the rubber liner. Put the light back into the body and lock it using the two screws provided.

The headlight must be adjusted after installation (page 60).



# BULB REPLACEMENT

## High beam:

The high beam bulb is located in the upper light. Follow similar procedure when changing the bulb.

## Bulb: H3 12V 55W

The headlight must be adjusted after installation (page 60).

Once the bulbs have been replaced, connect the position light terminal, fit the headlight cover and lock it using the 3 fixing bolts provided.

Insert droppers on 2 bolts on sides between the headlight bracket and the cover.

Hook the front brake tube into the bracket on the left hand side.



# FUSE REPLACEMENT

## NOTE:

Always switch the ignition off before fuse replacement. Never try to repair any blown fuses. We recommend that you keep spare fuses with you at all times. In case of frequent fuse burns have the electric system checked by an authorised Blata service centre.

Remove the 3 bolts out of the front right cover of fuel tank and remove this cover.



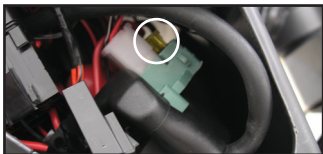
Replace the low beam and choke fuse situated on the conductor inside housing.

**Low beam and choke fuse: 10A**



Or disconnect the starter relay connector and replace the main fuse situated on the starter relay body.

**Main fuse: 20A**



Fix the fuel tank side cover. Never tighten the fixing bolts to exceed the prescribed tightening torque.

**Tightening torque: 1.5 Nm (1.11 lbf.ft)**

# BATTERY

## **WARNING**

The electrolyte may cause severe burns. When handling the battery, use protective clothes and the face shield.

## **DANGER**

In case of skin contact with the electrolyte rinse the affected place with plenty of water immediately.

## **DANGER**

In case of electrolyte swallowed drink plenty of water or milk and seek medical advice immediately. Never induce vomiting

## **WARNING**

Never handle any open fire in the battery proximity. Any charging of the battery shall be conducted within well-ventilated premises only.

## **DANGER**

In case the electrolyte enters human your eyes, rinse your eyes with plenty of water and seek medical advice immediately.

## NOTE:

Always switch the ignition off before battery replacement.

Disconnecting the battery will delete the adjustable data in the vehicle board unit.

## Battery removal:

Remove the vehicle seat.

Remove both the right and left fuel tank covers and lift the tank up (page 50). Disconnect the negative cable ( - ) of the battery first. Then disconnect the positive battery cable ( + ) (the cable with red cover). Remove the battery.



# BATTERY

## Battery maintenance:

### NOTE:

Your motorcycle has been fitted with maintenance free battery. Never open or try to fill this battery up! The battery shall be kept charged still! We recommend you to leave the charging and maintenance of the battery to a specialised service centre. Never charge the battery when installed in the motorcycle.

Measure the voltage over terminals of a loose battery. If the voltage exceeds 12,6 V, the battery is all right and can be connected into the motorcycle. If the voltage is lower, the battery shall be charged. When charging the battery, follow the instructions given by the battery and charger manufacturer. Ask your Blata dealer for information related to handling and charging of used batteries.

## Battery installation:

Slide the battery into its position. Battery terminals shall be treated with special grease designed for the purpose. Make sure the ignition is switched off. Connect the positive battery terminal ( + ) and slide the red cover over it. Connect the negative battery terminal ( - ). Install the fuel tank and secure it in together with both covers (page 50). Install the seat.



# MOTORCYCLE TECHNICAL DATA

		MOTARD	ENDURO
Dimensions and weights	Overall length	1984 mm (77.38 in)	2080 mm (81.89 in)
	Overall width	847 mm (33.35 in)	847 mm (33.35 in)
	Overall height (excluding mirrors)	1110 mm (43.70 in)	1177 mm (46.34 in)
	Wheelbase	1345 mm (52.95 in)	1365 mm (53.74 in)
	Seat height *	913 mm (35.94 in) *	935 mm (36.81 in) *
	Ground clearance	283 mm (11.14 in)	331 mm (13.03 in)
	Dry weight	111 kg (245 lb)	115 kg (254 lb)
	Curb weight	118 kg (260 lb)	122 kg (269 lb)
	Maximum weight	280 kg (617 lb)	280 kg (617 lb)
Frame and chassis	Frame type	Tubular frame	
	Front suspension / travel	Telescopic fork / 170 mm (6.69 in)	
	Rear suspension / travel	Swingarm / 25 mm (0.98 in)	
	Front tyre	100/80 17 52T	90/90 21 54T
	Rear tyre	130/70 17 62T	4.10 18 60P
	Front / rear brake	Hydraulic-disc / Hydraulic-disc	
	Fuel tank capacity	10.5 l (2.77 gal)	
Engine	Engine type / valves per cylinder	4-stroke, single cylinder / 2	
	Bore x stroke	57 x 48.6 mm (2.244 x 1.913 in)	
	Displacement	124 cm <sup>3</sup> (7.568 cu-in)	
	Compression ratio	11:1	
	Max. power / r.p.m.	9.9 kW (13.5 HP) / 9600	
	Max. torque / r.p.m.	10.6 N.m / 8400	
	Oil volume	1.1 l (1.0 Imp.qt)	
	Carburettor	constant velocity (CV)	
Drive train	Clutch / control	wet multi-plate / mechanical	
	Gearbox / gearshift pattern	6-speed / 1-N-2-3-4-5-6	
	Primary reduction	3.47	
	Final reduction	3.33	3.53
	Gear ratio	1 <sup>st</sup> gear	0.361
		2 <sup>nd</sup> gear	0.548
		3 <sup>rd</sup> gear	0.714
		4 <sup>th</sup> gear	0.885
		5 <sup>th</sup> gear	1.042
		6 <sup>th</sup> gear	1.150
	Maximum speed / per gear	115 km/h (71 mph) / 6 <sup>th</sup> gear	
Electrical	Ignition system	electronic (CDI)	
	Bulb: position/low beam /high beam	12 V 5W / H3 12V 55W / H3 12V 55W	
	Fuse: strong / weak	20 A / 10 A	
	Battery	12 V - 6.5 Ah	

\* The seat clearance can be adjusted higher by your Blata dealer

## FINAL SUMMARY

- check your motorcycle before every ride and follow the prescribed maintenance schedule
- we recommend you to have the service and maintenance of your motorcycle performed by trainer personnel at an authorised Blata service centre
- always wear the safety helmet, eye protection, suitable footwear and distinctive reflexive clothing
- ride safely to your abilities, the motorcycle properties and actual conditions and regulations in force
- never exceed the permitted vehicle load

We wish you a safe journey and enjoyment of the ride.

Blata, s.r.o.

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